Suggested Procedure for Designers Using the Wisconsin Building Code (Chapters Comm 61-65)

To facilitate basic code compliance, we recommend the Designer take the following steps:

1. Determine if project is within scope of code per sections Comm 61.02 & 61.03. Review the submittal requirements of Chapter Comm 61.30 [or Comm 61.70(5) for certified municipality].

2. Determine applicable building occupancies; see IBC chapter 3 for descriptions. See application form for where to check each occupancy type and the major occupancy use of the building. If multiple occupancies are found in the building, document how each is separated or not separated on the *Multiple Occupancy Worksheet* (or clearly show equivalent information on your own worksheets or complete information on the plans showing design intents). If any hazardous materials are to be used / stored in the building, clearly indicate the locations by using *Control Area Worksheets* (or your equivalent submittal).

3. Use either of these methods to determine class of construction and allowable building area / height:
   a. Variable Class of Construction Method: Based on desired area, height, fire department access, occupant capacity and sprinkler protection, determine minimum class of construction using occupancy and construction requirements. In some cases, by building a two-, three-, or four-hour fire-wall, a larger structure may be constructed (may treat each as a separate building per IBC 503.1). See IBC Table 503 and s.506 for table limit adjustments permitted; or
   b. Fixed Class of Construction Method: Based on desired class of construction (see following Class of Construction listing and IBC section 602 for descriptions), select desired area, height, fire department access, occupant capacity and sprinkler protection combination from combinations allowed by occupancy chapter construction requirements. See the next page for a construction type table showing code references to approximate the previous code.
   c. Worksheets included in this kit to assist in finding this information are: Road Access Worksheet, Grade Plane Determination Worksheet, Determination of Number of Stories Above Grade Plane Worksheet, Allowable Areas Worksheet, and Multiple Occupancies Worksheet.

4. Design building components based on class of construction requirements of IBC section 602 and general construction requirements of the IBC code. This includes checking the amount of protected and unprotected exterior wall openings meets the limitations, for which the Exterior Wall Opening Worksheet is included in this kit.

5. Check specific requirements of applicable occupancy in IBC Chapter 4 and reference general IBC Chapters 5–16 and 18–34 as needed. Clearly show code compliance on the submittal documents (plans, specifications, and calculations).

6. Worksheets included in this kit to assist you in finding this information are*: Design Occupant Load Worksheet, Exit Width Determination Worksheet, Structural Design Worksheet, Lateral Load Resisting Systems & Connections Worksheet,* and *Sanitary Fixture Determination Worksheet*. Also refer to the submittal checklist on the following pages for other items to show.

7. Check other general requirements of IBC chapters 2 to 34 as applicable, including, but not limited to:
   - Incidental Use Areas: Table 302.1.1
   - Occupancy Separations: Table 302.2
   - Hazardous Materials: Tables 307.7(1), 307.7(2), 414.2.2 & 414.2.4
   - Fire resistance ratings & penetrations: Chapter 7
   - Interior finishes: Chapter 8
   - Fire Protection Systems: Chapter 9
   - Windows and Fire Dept. Access: 903.2.12
   - Exiting: Chapter 10
   - Accessibility: Comm 62.1100
   - Interior Environment: Chapter 12
   - Exterior Walls: Chapter 14
   - Roof & Penthouses: Chapter 15
   - Structural: Chapters 16, 18–23
   - Glass & Glazing: Chapter 24
   - Gypsum Board & Plaster: Chapter 25
   - Plastics (foam & light-transmitting): Chapter 26
   - Sanitary Facilities: Chapter 29

8. Check efficiency requirements for envelope performance (in section Comm 63 and IECC) and lighting power limits (Comm 63.40 to 63.53).

9. Check the HVAC requirements of Chapter Comm 64 & 65 and IMC & IFGC, including the equipment efficiency requirements of sections Comm 63.1020 - 63.1032.

10. These steps will vary subject to individual occupancies, construction type, and design criteria based on materials used in the building.